

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 Claim 1 (currently amended): An information providing
2 apparatus for acquiring contents data representing a high
3 quality still image from a service providing apparatus capable
4 of storing the contents data and of transmitting the contents
5 data in response to a request, and for providing the said
6 ~~acquired~~ contents data in a direct format or in a converted
7 format, said information providing comprising:

8 reproducing means for reproducing the contents data;

9 ~~image data~~ picture data relaying means for relaying still
10 picture data ~~originated~~ obtained from the contents
11 data reproduced by the reproducing means;

12 moving picture coding means for producing compressed

13 moving picture data having a high image quality from

14 the still picture ~~image data~~ obtained from said

15 picture data relaying means, said producing being

16 performed by way of a stepwise image quality

17 complementary type coding system ~~corresponding to a~~

18 ~~coding system~~ for complementing an image quality in

19 a stepwise manner, and for transmitting the

20 compressed moving picture data to the user terminal

21 to display a still display picture; and

22 control means for determining an area of the still

23 picture data coded into the compressed moving

24 picture data in response to a manipulation made from

25 the user terminal, and ~~capable of~~ for notifying the

26 determined area to the moving picture coding means.

1 Claim 2 (currently amended): An information providing
2 apparatus as claimed in claim 1, wherein

3 said control means is capable of producing a control
4 signal used to change the reproducing state of the
5 reproducing means by receiving a manipulation of the
6 user terminal, and is capable of transmitting the
7 control signal to the reproducing means; and wherein
8 the moving picture coding means produces compressed
9 moving picture data from ~~such~~ said still picture
10 data, the content of which is sequentially changed
11 by changing a setting condition of a coding process
12 operation, ~~if necessary~~.

al
cont
↓
1 Claim 3 (currently amended): An information providing
2 apparatus as claimed in claim 1, wherein the moving picture
3 coding means also produces audio data having a designated data
4 format from audio data contained in the contents data, and
5 also produces multiplexed AV data by multiplexing the
6 compressed moving data with the audio data, and transmits the
7 multiplexed AV data to the user terminal.

1 Claim 4 (currently amended): An information providing
2 apparatus for providing data to a user terminal in response to
3 a request, comprising:
4 storing means for storing contents data including still
5 picture data;
6 reproducing means for reproducing the contents data;
7 picture data relaying means ~~image data~~ for relaying
8 the still picture data originated from the contents
9 data reproduced by the reproducing means;
10 moving picture coding means for producing compressed
11 moving picture data having a high image quality from
12 the still picture image data by way of a stepwise
13 image quality complementary type coding system
14 ~~corresponding to a coding system~~ for complementing
15 an image quality in a stepwise manner, and for

16 transmitting the compressed moving picture data to
17 ~~the~~ a user terminal for displaying a still display
18 image; and
19 control means for determining an area of still picture
20 data coded into the compressed moving picture data
21 in response to a manipulation made from the user
22 terminal, and ~~capable of~~ for notifying the
23 determined area to the moving picture coding means.

1 Claim 5 (currently amended): An information providing
2 apparatus as claimed in claim 4, wherein
3 said control means ~~is capable of~~ is also for producing a
4 control signal used to change the reproducing state
5 of the reproducing means by receiving a manipulation
6 of the user terminal, and ~~is capable of~~ further for
7 transmitting the control signal to the reproducing
8 means; and wherein
9 the moving picture coding means produces compressed
10 moving picture data from ~~such~~ the still picture
11 data, the content of which is sequentially changed
12 by changing a setting condition of coding process
13 operation, ~~if necessary~~.

1 Claim 6 (currently amended): An information providing
2 apparatus as claimed in claim 4, wherein the moving picture
3 coding means also produces audio data having a designated data
4 format from audio data contained in the contents data, and
5 also produces multiplexed AV data by multiplexing the
6 compressed moving data with the audio data, and also transmits
7 the multiplexed AV data to the user terminal.

1 Claim 7 (new): An information providing system for
2 acquiring content data from a service providing system,
3 wherein the content data represents a high quality still

4 image, said information providing system comprising:
5 moving picture coding means for producing compressed
6 moving picture data from the content data using a
7 stepwise image quality complementary coding system;
8 and
9 transmitting means for transmitting the compressed moving
10 picture data to a mobile terminal, wherein
11 the mobile terminal displays a still display image
12 representing the high quality still image from the
13 compressed moving picture data.

1 Claim 8 (new): The system of claim 7, wherein the mobile
2 terminal displays the display image in progressively more
3 detail over some period of time.

1 Claim 9 (new): The system of claim 7, wherein the mobile
2 terminal is a mobile terminal capable of displaying compressed
3 moving picture images.

4 Claim 10 (new): The system of claim 9, wherein the
5 mobile terminal is a PDA or a portable telephone.

1 Claim 11 (new): The system of claim 7, wherein the
2 mobile terminal is a PDA or a portable telephone.

1 Claim 12 (new): The system of claim 7, further
2 comprising control means for determining an area of a portion
3 of the display image, wherein the portion is chosen by a user
4 manipulation at the mobile terminal, and wherein the control
5 means provides the determined area to the moving picture
6 coding means.

1 Claim 13 (new): An information providing system for
2 acquiring content data from a service providing system,

3 wherein the content data represents a high quality still
4 image, said information providing system comprising:
5 moving picture coding means for producing compressed
6 moving picture data from the content data using a
7 stepwise image quality complementary coding system;
8 and
9 transmitting means for transmitting the compressed moving
10 picture data to a mobile terminal capable of
11 displaying compressed moving picture data, wherein
12 the mobile terminal displays a still display image
13 representing the high quality still image from the
14 compressed moving picture data.

al could
1 Claim 14 (new): The system of claim 13, wherein the
2 mobile terminal is a PDA or a portable telephone.

1 Claim 15 (new): The system of claim 13, wherein the
2 mobile terminal displays the still display image in
3 progressively more detail over some period of time.

1 Claim 16 (new): The system of claim 13, further
2 including control means for determining an area of a portion
3 of the display image, wherein the portion is chosen by a user
4 manipulation at the mobile terminal, and wherein the control
5 means provides the determined area to the moving picture
6 coding means, which then produces new compressed moving
7 picture data from the content data using the stepwise image
8 quality complementary coding system, wherein the new
9 compressed moving picture data corresponds to the chosen
10 portion of the display image for displaying the chosen portion
11 on the mobile device in a larger fashion.